



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

AMERICAN Journal of Mathematics

EDITED BY
FRANK MORLEY

WITH THE COOPERATION OF
SIMON NEWCOMB
A. COHEN, CHARLOTTE A. SCOTT
AND OTHER MATHEMATICIANS

PUBLISHED UNDER THE AUSPICES OF THE JOHNS HOPKINS UNIVERSITY

Πραγμάτων ἔλεγχος οὐ βλεπομένων

VOLUME XXVII

BALTIMORE: THE JOHNS HOPKINS PRESS

LEMCKE & BUECHNER, *New York.*
G. E. STECHERT & CO., *New York.*
D. VAN NOSTRAND CO., *New York.*
E. STEIGER & CO., *New York.*
KEGAN PAUL, TRENCH, TRÜBNER & CO., *London.*

GAUTHIER-VILLARS, *Paris.*
A. HERMANN, *Paris.*
MAYER & MÜLLER, *Berlin.*
KARL J. TRÜBNER, *Strassburg.*
ULRICO HOEPLI, *Milan.*

1905



The Friedenwald Company
BALTIMORE, MD., U. S. A.

INDEX.

AMES, L. D. An Arithmetic Treatment of Some Problems in Analysis Situs, . . .	343
CHESSIN, ALEXANDER. On a Class of Differential Equations,	103
COBLE, A. B. Collineations whose Characteristic Determinants have Linear Elementary Divisors with an Application to Quadratic Forms,	25
DICKSON, LEONARD EUGENE. Determination of the Ternary Modular Groups, . . .	189
Subgroups of Order a Power of p in the General and Special m -ary Linear Homogeneous Groups in the $GF[p^n]$,	280
EISENHART, L. P. Surfaces with the Same Spherical Representation of their Lines of Curvature as Pseudospherical Surfaces,	113
EPSTEEN, SAUL, AND LEONARD, HEMAN BURR. On the Definition of Reducible Hypercomplex Number Systems,	217
FIELD, PETER. Quintic Curves for which $P=1$,	243
HILL, G. W. Deduction of the Power Series Representing a Function from Special Values of the Latter,	203
JACKSON, F. H. Some Properties of a Generalized Hypergeometric Function, . . .	1
KEYSER, C. J. Concerning Certain 4-Space Quintic Configurations of Point Ranges and Congruences, and Their Sphere Analogues in Ordinary Space,	303
LEONARD, HEMAN BURR, AND EPSTEEN, SAUL. On the Definition of Reducible Hypercomplex Number Systems,	217
LEONARD, HEMAN BURR. On the Definition of Reducible Hypercomplex Number Systems. II.	381

MILLER, G. A. Determination of all the Characteristic Subgroups of any Abelian Group,	15
Some Relations Between Number Theory and Group Theory, .	315
MILLER, JOHN A. Concerning Certain Elliptic Modular Functions of Square Rank, .	47
MOORE, C. L. E. Classification of the Surfaces of Singularities of the Quadratic Spherical Complex,	248
NANSON, E. J. Minors of Axi-symmetric Determinants,	69
SLOCUM, DR. S. E. Relation between Real and Complex Groups with Respect to their Structure and Continuity,	7
SNYDER, VIRGIL. On the Forms of Sextic Scrolls Having a Rectilinear Directrix, .	77
On the Forms of Sextic Scrolls Having no Rectilinear Directrix, .	173
WRIGHT, J. E. The Differential Invariants of Space,	323